

CSSM: Math Bootcamp

Introduction

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Course Information

Instructor

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- Office Hours: Before class, lunch break, after class; email me

Teaching Assistant

- TBA
- Email: TBA

Course Materials

- <https://github.com/carlson9/KocCSSMbootcamp2021>
- No readings, but go over slides, notes, activities

Introductions

- Who are you?
- What are you going to study?
- What is the last math class you took?
- Do you have any programming experience?
- Stats experience?
- What was your most favorite movie when you were growing up?

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- You. Want. A. Job.

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- And if you go private sector, the math/statistics skills we give you make you valuable

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- Socialize you to graduate training

Zen and the Art of Graduate Training

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- For some of you, struggling to excel will be a new experience

Tackling daunting challenges like methods training requires you keep two concepts in balance:

- Understand that you **must** master this material
- Understand that you **can** master this material *with help*

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- It. Is. Not. A. Competition.

Get help Get help Get help Get help

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- Of course you don't know how to do things. That's why you are going to school

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- The goal is to *learn* not *win*

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What are faculty looking for

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- Work on your physical/mental health with intention and be mindful of the dangers

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 - ▶ And prove to me you don't need math modeling

Lose Schedule

- intro
- algebra, notation
- functions
- sets
- probability
- probability distributions
- linear algebra
- cartesian coordinates, etc.
- limits
- derivatives
- integrals
- stats